

Voltage Controlled Crystal Oscillators

DVO-211A2, DVO-221A2, DVO-2460A



Voltage controlled crystal oscillators (VCXOs) that work well with high frequency TTL output.

■ Features

- Compatible pin placement to 14 DIP IC.
- Highest reliability due to complete hermetic seal with metal package.

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■ Generic Specification

Item	Type	DVO-211A2	DVO-221A2	DVO-2460A
Output Frequency Range		30~46MHz	46~100MHz	14~32.4MHz
Storage Temperature Range		-30°C~+80°C		
Operating Temperature Range		-10°C~+60°C		
Frequency Adjustment Range		$\pm 50 \times 10^{-6}$ min./Vc=+2.5V ± 1.5 V	$\pm 30 \times 10^{-6}$ min./Vc=+2.5V ± 1.5 V	$\pm 50 \times 10^{-6}$ min./Vc=+2.5V ± 1.5 V
Frequency Tolerance		$\pm 10 \times 10^{-6}$ max. (at 25°C)	Vc=+2.5V ± 0.5 V Zero adjustment is feasible.	
Frequency Characteristics over Temperature		$\pm 30 \times 10^{-6}$ max./-10°C~+60°C	$\pm 20 \times 10^{-6}$ max./-10°C~+60°C	$\pm 30 \times 10^{-6}$ max./-10°C~+60°C
Frequency Control Voltage		+2.5V ± 1.5 V (+1.0V~+4.0V)		
Output Characteristics	"1" Level	+2.4V min.		
	"0" Level	+0.4V max.	+0.4V max.(14.0~25.0MHz) +0.5V max.(25.1~32.4MHz)	
	Symmetry of Wave Form	50% ± 10 %		
	Output Load	2TTL	1AS-TTL	2TTL (14.0~25.0MHz) 2LS-TTL (25.1~32.4MHz)
	Rise and Fall Time	6nsec. max./+0.4~+2.4V	10nsec. max./+0.4V~+2.4V(14.0~25.0MHz) 10nsec. max./+0.5V~+2.4V(25.1~32.4MHz)	
Supply Voltage		+5.0V ± 5 %		
Current Consumption		40mA max.(No Load)	20mA max.(14.0~25.0MHz) 25mA max.(25.1~32.4MHz)	

Consult our sales representative for other specifications or special specifications.

■ Dimensions[mm]

